

1647

## 12/27/00

DATE: 42/27/2600

9TMC: [3:41:01

RAW SEQUENCE LISTING PAPENT APPLICATION: US/09/622,439

Input. Set : A: \Y04-12-1.app

output Set: N:\CEF1\12272000\1622439.raw

```
* 1110 - SPECICANT: Yumanometal Charmeterical Co. . Add.
      5 slame TYTLE OF INVENTION: A model 6 protein complet receptor protein
      7 - 130 > PILE REPRESENCE: YOSAS
C--> 0 (140) CURRENT APPLICATION NUMBER: US/09/622,439
C--> 10 <141> CURRENT FILING DATE: 2000-08-17
     12 - 150% PRIOR APPLICATION NUMBER: TP F1998-060245
     13 -. 15) * PRIOR FILING DATE: 1998-03-12
     15 - 150 - PETCH APPLICATION NUMBER: SP 91959-026771
     19: 3151> PRIOR FIGURE BATE: 1959:02-03
     137 - 150 > NUMBER OF SEQ ID MOS: 26
     20 \times 170 \text{>} |SOFTWARE: Patient in <math>\text{Ver}_{+}(2), \emptyset
     23 210% SEQ ID NO: T
     ar sulto denorma: 1128
     24 + 2125 TYPE: DNA
     35 ×213× ORGANISM: Homo sapiens
     27 (2205 PEATURE)
     28 2215 NAME/KEY: CDS
     29 + 222 \times \text{ LOCATION}; (1) ... (4125)
     36 + 223 STHER INFORMATION: SREEL
     #2 +400% SEQUENCE: 1
     33 \mu m d dual gain and add and unit dide and add day day dod dod
     3) Het Alu Ash Alu Ser Glu Pro Gly Gly Ser Gly Gly Gly Glu Ala Ala
                                             1.0
                                                                  1.5
     \delta^{2} gen old gad eld and old gue son old add old old eld light glo ago
                                                                            96
     48 Ala Leu Gly Leu Bys Leu Ala Phr Leu Ser Leu Leu Leu Cys Val Ser
                   20
                                    25
    4) dia gen ggd aan gig hin tid den ery hin are gig ogd gan ege and
                                                                            114
    42 Len Ala Gly Asn Val Len Phe Ala Len Len Len Ut Val Arg Glu Arg Ser
13 35 40 45
    45 oty had ego ghe beg the lan elg org eye gad org the oty goo gad
    46 Lou His Arg Ala Pro Tyr Tyr Lou Lou Lou Asp Lou Cys Lou Ala Asp
                                 -, -,
    19 day etg ega deg etc dec the etc eco dec ate atq etg gag deg egg
    bo Gly bou Arg Ala beu Ala Cys beu Pro Ala Val Met beu Ala Ala Arg
    53 cat gen gra got and hay and ear con con and act of the and
                                                                            238
    54 Arg Ain Alo Ala Alo Ala Gly Alo Pro Pro Gly Alo Len Gly Cys Lys
                        8.5
    57 dig alloged the etg ged beginte the tip tip the each per god the etg
                                                                            336
    58 fen Leo Ala Phe Leo Ala Ala fen Phe Cys Phe Ris Ala Ala Phe Leo
        100
                                      105
                                                           110
    of the classic age and the classic actions are according to
                                                                            381
    ha fem Len Gly Val Gly Val The Arg Tyr fem Ala lle Ala His His Arg
                                 120
                                                        1.25
    65 the hat yeu may one one goe goe the ear the god has any end gig
    65 Phe Tyr Ala Glu Arg Leu Ala Gly Trp Pro Cys Ala Ala Met Leu Val
```

135

ENTERED

RAW SEQUENCE LISTING PATEMET APPLICATION: DS/09/622,439 DATE: 12/27/2060 TIME: 13:31:01

Input Set : A:\Y04-12-1.app
Ontput Set: N:\CRF3\12272000\1622439.raw

69 tgc	gen	acc	tqq	geg	otg	qeq	otiq	gee	qeq	gge	1,10	neg	cea	g Lg	ctg	480
70 Cys	Ala	Ala	Trp	A.I.a	Loru	Alb	$Lie \mathfrak{A} \mathfrak{t}$	$\Delta Ta$	Ala	Αта	Pho	PTO	Pro	Vall	bett	
71 145					150					155					1.60	
73 gac																508
71 Asp	Giy	GLy	GLY		Asp	Glu	Asp	Ala		C/S	ALa	1.011	61n		Arq	
75				165					170					175		
77 eee																576
78 Pro 79	ASP	GTA		Pro	GLY	Ala	14911		Pho	laru	Geu	1.641		Alta	Val	
			180					1.85					190			2.14.1
81. g! q 82. Val																624
83		195	A1 G	1111	H 1 25	110/12	200	1 y 1.	120:11	A: q	150711	205	Pac	PILC	1 1, 02	
85 che			cac	512171	atra	CHIC		aca	cac	eta	41171		aca	or the co	2010	670
86 fl.is																71 i w
	210	,	,			215			9		320	1 1.17	700	*	.51 1	
89 (200		Laa	acc	tte	cac		cea	age	acc	acc		caa	oca	uce	acc	720
90 His .																
91. 325		-			230	-				235					240	
93 aac	Egg	acq	gog	ggo	tito	gge	ege	ggg	CCC	acq	ecq	ada	geg	ot.t.	qta	768
94 Asu '	rep	Thr	Ala	Gly	Phe	dīy.	Arg	G4V	Pro	The	Pro	Pro	Ala	Leu	va.L	
95				245					250					255		
97 ggc -																81.6
98 GTA	Tle .			A l.a	Gly	Pro	GLY		GLy	ΔIù	Arg	$\Delta x ij$	Len	Lou	Val.	
99			260					265					270			
101 ctg																864
102 Son 103	GUU	275		Lys	Tur	GIII			Leu	Cys	Lys			Tyr	Ala	
105 gtc	200				at a	es truo	280				4	285				9.12
105 Val																9.64
107	290	7.4.4	7,10,11	i ne	D (1	295		116,	(I.L)	1-1-47	300		V CI I	/ ( T ()	SGL	
109 tac		caa	ato	cha	ata			age	acc	al c			ace	tac	cha	960
110 Tyr																*,
HT 305					310			•		315				-, -	320	
113 acg	gee	tico	gtg	t.gg	oty	acc	tto	geg	caq	gdo	gge	at,c	aac	CUC	gfic	1008
114 Thr																
14.5				325					330					335		
117 gtg																1056
IIB Val	Cys	Phe			Asn	Arg	Glu			Asp	Cys	Phe			GIn	
119			340					345					350			
121 Uto																1.104
122 Pho 123	PEO	355	C/S	Gin	Sec	Pro			Thr	GLn	Ala		His	Pro	Cys	
125 gag	ata		2110		co. et	# 1: ···	7360					365				1126
126 Asp							Lyn									1128
127	370	470	11.7	r. a, v:	WI 3	37)										
130 <216		(O 11	D NO	: 2		.•, ,										
131 4511																
132 <212																
133 <215				Пош	o sa	plen	ន									

DATE: 12/27/2000 TIME: 13:41:01 RAW SEQUENCE LISTING PAREMET APPLICATION: US/09/622,439

Tupul, Set : A:\Y04~12~1,app
Output Set: N:\CRF3\12272000\T622439.raw

				HCE:												
136	Mot	Ali	ಿತ॥	$\Delta \lambda a$	Seri	Clu	31.0	0.17	Gly	ser	G.l.y	Gig	Gly	Clu	Ala	Ala
137	1				.5					10					1.5	
139	$\Delta \ln a$	Len	Gly	500	1.78	Len	$\triangle 1a$	Phar	Len	Sex	Lou	ten	Leu	Cys	Val	Ser
140				2.0					2.5					3()		
143	1500	A.La	G15	Asıı	Val	Len	Pho	Ala	Lon	ueu	1.10	Vai	AEG	Glu	Arg	3er
1.4.3			35					40					4.5			
145	Len	His	Arg	A1a	Pro	Tyr	man	Lon	LOH	Len	Asp	Lon	cys	Lou	Ala	$\Delta s p$
146		50					5.5					60				
-148	GLy	Post	Arg	$\Delta 1a$	1.00	ala	Cs	Lou	Pro	Ala	Val	Het	Leu	Ala	Ala	Arg
1.49	65					7.0					75					80
151	Arg	Ala	Alla	Alla	Ala	λla	019	$\Delta 1$ , $\alpha$	Faro	Pro	Gly	Ala	Leu	Gly	Cys	Lys
152					8.5					91)					9.5	
154	Jacu	Len	Alla	Phe	1.00	2.1 a	Ma	Lem	Phe	Cys	Pho	Ris	Ala	Alla	Phe	Leu
155				100					1.0.5					11.0		
157	Len	Leu	GLV	Val	619	Val	Thr	Arg	1"/ r	Len	214	110	Ala	His	His	Arq
158			115					120					125			
160	Phe	Tyr	Ala	GIn	Arg	4.00	Δla	GIV	Trp	Pro	$C \not\subset S$	Ala	Ala	Met.	Есп	Va.I
161		130					135					140				
163	Cys	Ala	ALu	Trp	Ala	Leu	Ala	Lein	Ala	Ala	ALa	Phe	Pro	Pro	Val	Leu
164	145					150					155					160
166	Asp	619	GLy	Gly	ASP	Asp	GLu	Asp	Ala	Pro	$\cos$	Ala	Leu	GLu	Gla	Ang
167					165	·		•		170	-				175	
169	Pro	Asp	Gly	$\Delta 1/a$	Pro	Gly	Ala	Leu	Gly	Phe	Lea	[40]]	Len	Len	Ala	Val.
1.70				180		•			185					190		
172	Va l.	Va.L	$GL_{\mathcal{F}}$	Ala.	Thr	His	ten	Va L	T/T	Len	Arq	Leu	Leu	Pho	Pho	He
173			195					200	•				205			
175	His	Asp	٨rg	Arg	Lys	Met.	Ara	P.co	ΑTa	$\Delta x q$	Len	Val	Pro	ΛLa	Va I.	Ser
176		210			-		215					220				
178	His	Asp	Trep	Thr	Phe	His	Gly	Pro	617	Ala	Thr	GLV	G.l u	Ala	Ala	Λla
179	225					230	•				235	•				240
181	Asn	Prp	Thr	ΛIa	Gly	Phe	Gly	Arg	$GL_{7}$	Pro	Thr	Pro	Pro	ALa	Len	
182					215				•	250					255	
484	GLy	Tie	Arq	Pro	Ala	GLy	pro	Gly	Arg	G1y	Ala	Arg	Arg	Leu	Leu	Val
185				260		-		_	265	•				270		
187	Len	$_{\rm GLn}$	$\sigma Iu$	Pho	L78	$\operatorname{Th} r$	GLu	Lys	Arg	Len	Cys	Lys	Met	Phe	Tyr	ΑLa
188			275					280					285			
190	Val	Thr	Leu	Lest	Pho	Leu	Len	Leu	Trp	dly	P vo	<b>T</b> 7.0	Val.	Val	Ala	Ser
191		290					295					300				
193	$T \vee \tau$	Len	Arg	Val	Light	Val	Ang	Pro	61.7	Ala	Val	Pro	GLu	Ala	Tyr	Len
194	305					310					3.15				•	320
196	Thr	Alla	Ser	Val	тер	Leu	Thr	Pho	Ala	Glm	Ala	GLy	He	Asn	Pro	Val
197					325					330		•			3 3 5	
199	Va l.	Cys	Phe	Len	Phe	Asn	Arg	Glu	Len	Arq	Asp	Cys	Pho	Arq	Ala	Gln
200				340					345					350		
202	Phe	Pro	CHR	$C_{ij}$ s	Oln	Seir	Pro	Arg	Thr	Thr	Glu	Ala	Thr		Рго	Cys
2013			355	-				360					365			
205	Asp	f.e.u	Lys	GFY	$1.1\mathrm{e}$	$GL_2$	f.eu									
206		370					375									







RAW SEQUENCE LISTING PAPERT APPLICATION: US/09/622,439 DATE: 12/27/2000 TIMG: 13:41:01

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Toput Set : A:\Y04-12-1.app
Ontput Set: N:\CRF3\12272000\1622439.raw

.209	-0.270	(i >   51)	90 H	) NO	: 3												
210	10 ×211× LENGTH: 3113																
311	FL C212× FYPE: DBA																
212	12 (313) CRCAHISM: Homo soplems																
214	14 COUNT PRATORE:																
	15 *COID MADM/KUY: CDS																
216					(1)	(1)	119a										
					ORMAC			4R2									
	5100																
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					Sur												1117
222	1	712.01	217517	1 2 1	5	11.25	nita	A Lu	wali	1.0	1 1.02	1202 (1	(13.11	7.2	15	10 C. T.	
			200	0.00	ttt		54.55 A	en 1: 7 r	nunt:		# F 24	. e. c.b.	1:1.8			4 4 4 5 74	96
																**	.70
226	410	1300	1111	20	Pho	116711	LIVE	1.6:01		261	1,000	tity	is He.	30	1.16	GTY	
									25				- 4				
					qqc												.1.44
	vai	SGT		V 61.3	Cly	ASII	heu		FIC	SCT	TIC	1.011		Vall	Lys	ASD	
230			35					-4 ()					4.5				. 611
					aga												1.0.5
	1.78		Leu	His	Vr.d	A.l.a		4.4.1.	д.У. т.	Pho	Lett		Asp	Len	C78	Cys	
33-1		50					5.5					60					
					agu												240
		Asp	I, Le	Len	Arg		Alta	Tle	CAN	Phe		Phe	Va i.	Pher	A630		
3.18	65					7.0					7.5					80	
					1,012												238
	Val.	TAR	$\Delta S u$	GLY	564	Thr	Trp	Thr	Tyr		Thr	Letu	Thu	Cys		Val	
343					8.5					9.0					95		
244	att	$\Phi_{CG}$	t, t, t	ctg	0.04	nt t	1.1.4	T, Q.C.	tgt.	tte	CdC	act	get.	true	atg	ertic	336
245	He	Ala	Phe	Leu	GLY	۷aJ.	Len	Se r	$C_{X}s$	Phe	Hi,s	Thr	Ala	Phe	Me f.	LOU	
346				100					105					110			
248	tatura	Eqc	atic	वदा.	gtic	acc	aga	tac	t La	qnt	atic	$\mathrm{d} C  C$	cat.	$\mathrm{Cac}$	cdc	t, t, c	384
249	Pho	Cys	He	Sear	Val	Thu	$\Delta EQ$	$T \vee T$	Gen	A.f a	TLe	$\Delta k a$	Пis	His	Arq	Phe	
250			1.15					120					125				
252	tat.	aca	aaq	agg	etg	acc	t.t.t	4.99	ang	tig t	et.g	get	qt,q	ate	tyti	atg	4.32
253	$T_{2} v$	ሞክድ	$L_I S$	$\Delta rg$	Leu	Thr	Phe	Trp	Thr	Cys	Len	Λla	Val	11e	Cys	HOD.	
254		130					1.35					140					
256	grap	t.gg	act.	otg	tot	gtq	dec.	atg	gea	tituti	ccc	ccq	gt.t.	tta	gac	ghq	$48\bar{0}$
					Ser												
258	145	_				150					155					160	
260	ggr	act	Lac	t.ca	LLC	at I.	and	qaq	gan	gat.	Cata	tac	acc	t.t.c	caa	cac	528
					Pho		_										
262	•		٠		165					170		- /			175		
	cac	tec	utic	aga	HCt	aat	ant.	tee	titta		t.t f	ata	eta	aut		ore to	576
					Ala												• • •
266	9			180			[		1.85					190			
	ete	al.c	otte		gae	aco	cao	ctt		Lac	ete	aao	eta		111	110	6.24
					Ala												C 7
270		• •	195	11: 7:4				200	1	4 )		11173	205				
	ate	cac		can	āgu	.171.0	ato		cicia	at e	cao	111		asa	aca	ate	672
	J 444		1.4 0	371.4	angu				Q-1	1	5.14 M	Ç. 1 . 1 <u>-</u>	3 C12	110.14	900	. )	974

RAW SEQUENCE LISTING PATERT APPLICATION: US/09/622,439 DATE: 12/27/2000 TIME: 13:41:01

input Set : A:\Y04-12~1.app
Outpot Set: N:\CRF3\12272000\1622439.raw

	Val.		Asp	arg	Arg	$L \in \mathfrak{g}$		4798	Pro	Val	Cin		Val	3d.a	Ala	Vol.1	
274		210					215					220					
2.76	aqe	cag	対しい	trgg	act.	t. f. t.	4/81 ()	aqt	oct	वृद्ध	ged	agt	qqc.	ca4	gea	40 t	7.10
		C.l n	Asn	2xp	office.	f,pr	His	A(k)	Pxo	G), y	$\Delta A \alpha$	Ser	$GL\gamma$	G1n	Ala	Δla	
278	205					330					235					240	
530	gen	stat.	1.99	Q Lat	qea	gga	t. Ut.	990	agg	391.	CCC	aca	CCO	cce	acu	thq	768
281	A La	Asn	Pro	1.690	Ala	GR.	Pilie	dly	A.c.q	GLy	Pro	Thu	Pro	Pro	The	5.en	
282					.145					250					255		
284	eta	990	ate	agg	caa	aat.	gca	aan	acc	aca	uac	aga	aua	000	etta	tta	816
						Asn											
286				266					265		•	,	,,	270			
	uhe	ti turi	gac		t.t.c	aaa	ata	gaa		ada	atie	age	30.00		tre	tal	864
						Lys											4.3.4
290		17411	2.75			2. 7.2.		280	11, 0	,	3	251 3,	285	11C C	£ 17.	· y 1.	
	at.a	te Para		1 # 1	et a	$t.\mathfrak{r}\mathfrak{r}_c$	ert v		0.1.0	1.00	(1/1/)	(1/1/1				47.1.1	912
						Phe											712
294	1 1 4,	290	1 114.	r mg	rat-17	£ 110°	295	1111	ner u	111	Ga y	300	171	605.11	VIII	/. I d	
	1.		1		t	10.10.1				0.24			****				0.7.5
						11.6 U											960
		1° j/ 1.	i i b	MA	Vall	Phe	ALLO	Mr. A	<b>191</b> .7	PEO		A 11 I	PTO	GTY	GIV		
	305		41			31.0					3.15					320	
						tqq											1008
	126511	I III.	H.L.G	/A 1,/2		Trp	Tiera	Ser	PHO		GLH	el.1. d	GLY	1 745		PFO	
302					325					330					335		
2414	11.1	dra	rge	al I,	1.1.0	tica	dac	ववृत्	gaq	et g	agq	ddG	Lg t	t.i.c	agg	acia	1056
	Rue	va i.	Cys		rue	Ser	ASII	Arq		Lifett	Arq		Cys		ser	"thr	
306				340					345					350			
						ида											1104
	Thu			T λ. Y.	Cys	$\nabla \tau q$	LUB		Arq	Leru	PTO	Arg		L vo	Tyr	Cys	
310			355					360					365				
	-	atra	tiga														1 1.1 3
	Va I.			•													
314		370															
			:O 11														
			BNGTI		70												
			(PE:														
320	<24.1	3.5 OI	SCIVITI	LSM:	Home	) सवा	riens	3									
322	~.400	)> SE	gg (JEN	MCE:	4												
323	Het.	AJa	$\Delta s_{\rm B}$	$T \vee \tau$	Sec	nis	$\Delta L_{\rm d}$	Alu	Asp	Asn	110	Leu	${\rm G3}n$	ASII	Leu	Ser	
324	1				1					10					15		
326	0.00	Len	Thr	L La	the	Lea u	Lys	Leu	Thr	$\operatorname{Ser}$	Len	GLY	Phe	110	11c	G17	
327				20					25					3.0			
329	Val	$\mathbf{Se} \mathbf{r}$	Val	Via I	GLy	Asn	Leu	Leu	TLė	ser	He	Len	Lon	Val	Lys	Asp	
330			3.5					40					45			-	
332	Lys	Thu	Lem	Hi.s	Arg	Ala	Pro	TTC	$T_{YE}$	Phe	Lou	Len	Asp	Leu	Сув	Cys	
333		5 (1					55					60	•				
335	Secr	Asp	11e	Lea	Arg	Ser	Ala	110	$C_{\mathcal{F}}$ s	Phe	Pro	Phe	Val	Pho	Авп	Seri	
336	6.5					70					7.5					8.0	
338	Val	10/8	Asn	$GI_{\mathbb{C}^{2}}$	Ser	Thr	Trp	Thr	There	Glv	Thr	Leu	Thr	Cys	Lys	Val.	
339					8.5		•		•	90				• •	9.5		

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/622,439

DATE: 13/27/2000 THME: 13:41:02

Imput Set : A:\Y04-12-1.app Output Set: N:\CRF3\12272000\T622439.raw

4:9 M:270 C: Current Application Number differs, Replaced Application Number 1:10 E:27) C: Current Filing Date differs, Replaced Current Filing Date